

PR

3569

OTS: 60-31,424

JPRS: 3569

20 July 1960

RECORD  
COPY

MAIN FILE

BIBLIOGRAPHY OF SOVIET ABSTRACT JOURNALS

**Reproduced From  
Best Available Copy**

**DISTRIBUTION STATEMENT A**  
Approved for Public Release  
Distribution Unlimited

Distributed by:

OFFICE OF TECHNICAL SERVICES  
DEPARTMENT OF COMMERCE  
WASHINGTON 25, D. C.  
Price \$2.25

U. S. JOINT PUBLICATIONS RESEARCH SERVICE  
205 EAST 42nd STREET, SUITE 300  
NEW YORK 17, N. Y.

19991221 149

## F O R E W O R D

This publication was prepared under contract by the UNITED STATES JOINT PUBLICATIONS RESEARCH SERVICE, a federal government organization established to service the translation and research needs of the various government departments.

JPRS: 3569

CSO: 3712-D

FOREWORD

This bibliography was compiled from 21 issues (January-March 1959) of the Soviet abstract journals -- Referativnyy Zhurnal series: Astronomiya i Geodeziya (RZhAstr), Geofizika (RZhGeofiz), Mekhanika (RZhMekh), Fizika (RZhFiz), Matematika (RZhMat), and Elektrotehnika (RZhElek). Items on the following subjects have been selected: (1) Celestial Mechanics and Space Dynamics, (2) The Moon and/or Planets of the Solar System, (3) Upper Atmosphere and Space Research, and (4) Radioastronomy.

The items are arranged alphabetically by author giving the translated title of the article, the original source of the article with its translation, the Referativnyy Zhurnal series title, number, year and the abstract number. The subject matter of each item is designated by the numbers 1, 2, 3, and 4 which correspond respectively to the four categories listed above.

Subsequent reports will cover journals for the periods April-June, July-September, October-December 1959. Thereafter, reports will be continued on a quarterly basis for the period January 1960 to June 1961 inclusively.

JPRS: 3569

CSO: 3712-D

AALOE, A.

3

New data on the meteoritic craters on the  
island of Saarema, Estonian SSR

Meteoritika (Meteoritics), No 16, 1958,  
p 108-114

RZhAstr 3/59-2074

ABERKIYEV, M. S.

3

Estimation of the possible total of direct  
solar radiation taking into consideration  
the varied transparency of the atmosphere

Izv. AN SSSR, ser. geogr. (News of the  
Academy of Sciences USSR, Geography Series),  
No 1, 1958, p 98-101

RZhAstr 3/59-2009

ABRAMENKO, A. N.

4

Apparatus for recording the field intensity  
of atmospheric disturbances

Izv. Krymsk. astrofiz. observ. (News of the  
Crimean Astrophysics Observatory), No 18,  
1958, p 182-186

RZhAstr 3/59-1985

ALEKSEYEV, P. P., BESYADOVSKIY, YE. A. 3  
GOILSHEV, G. I., IZAKOV, M. N., KASATKIN,  
A. M., KOKIN, G. A. LIVSHITS, N. S., MASANOVA,  
N. D., SHVIDKOVSKIY, YE. G.

Rocket investigations of the atmosphere

Meteorol. i gidrologiya, (Meteorology and  
Hydrology), No 8, 1957, p 3-13

RZhMekh 3/59-2758

ALEKSEYVA, K. N.

3

Physical properties of stony meteorites and  
their interpretation in the light of the  
hypothesis on the origin of meteorites

Meteoritika (Meteoritics), No 16, 1958,  
p 67-77

RZhAstr 3/59-2065

AL'VEN, KH.

4

Origin of the solar system

Vopr. kosmogonii (Problems of Cosmogony),  
Vol 6, 1958, p 78-97

RZhAstr 3/59-2078

AMBARTSUMYAN, V. A.

4

Multiple Galaxies and radiogalaxies. Report  
III. Double-nuclei Galaxies.

Dokl. AN ArmSSR (Reports of the Academy of  
Sciences, Armenian SSR), Vol 26, No 2, p 73-  
76

RZhAstr 1/59-292

AMBARTSUMYAN, V. A.

3

Gigantic Cosmic Action. 2,000 revolutions  
of the second artificial satellite around  
the Earth

Izvestiya (Newspaper), 21 March 1958, p 4

RZhGeofiz 1/59-815

AMBARTSUMYAN, V. A. SHAKHBAZYAN, R. K. 4

Multiple galaxies and radiogalaxies. Report  
II. Blue emissions and the satellites of  
elliptical galaxies

Dokl. AN ArmSSR (Reports of the Academy of  
Sciences, Armenian SSR), Vol 25, No 4, 1957,  
p 73-76

RZhAstr 1/59-291

ARONE, M. N.

3

Remote radio communication by ultra-short waves using meteor ionization of the atmosphere

Elektrosvyaz' (Electrical Communications), No 6, 1958, p 40-48

RZhElek 1/59-1778

ASTAPOVICH, I. S.

3

Conditions of the fall of a stony meteorite shower of Pervomayskiy Poselok

Meteoritika (Meteoritics), No 15, 1958, p 31-50

RZhAstr 3/59-2062

ASTAPOVICH, I. S.

3

Investigation of conditions of motion of the Staroye Pes'yanoye stony meteorite

Meteoritika (Meteoritics), No 1, 1958, p 3-30

RZhAstr 3/59-2061

ASTAPOVICH, I. S.

3

Effectiveness of meteor cameras in relation  
to lens power

Iz. AN TurkmSSSR (News of the Academy of  
Sciences, Turkmen SSR), No 6, 1957, p 99-100

RZhAstr 3/59-2054

ASTAVIN-RAZUMIN, D. L.

Photography of a Meteor Through Polaroids  
(Preliminary report)

Byul. Vses. astron.-geod. o-va (Bulletin of  
the All Union Astronomical-Geodesic Society),  
No 22, 1958, p 28

RZhAstr 1/59-435

3

State and prospects for the development      3  
of investigations in astrometry in the  
Academy of Sciences Ukrainian SSR and  
on preparations of the Main Astronomical  
Observatory (GAO) of the Academy of Sciences  
Ukrainian SSR and the Tenth International  
Astronomical Congress

Visnik AN UkrSSR (Herald of the Academy of  
Sciences Ukrainian SSR), Vol 38, No 6, 1958

\* RZhAstr 12/59-826

ASTROV, M.

3

The satellite riddle

Metsniyereba da tekhnika (Science and Engineering), No 6, 1958, p 4-6 (Georgian)

RZhAstr 3/59-1733

BAGARYATSKIY, B. A.

3

On the dispersion of velocities in the stream  
of solar corpuscles near the Earth

Astron.zh. (Astronomical Journal), Vol 35,  
No 2, 1958, p 227-229

RZhGeofiz 2/59-1978

BAGARYATSKIY, B. A.

3

Some data on the energy distribution in  
the infra red spectrum of auroras

Izv. AN SSSR, ser. geofiz. (News of the  
Academy of Sciences USSR, Geophysics  
Series), No 4, 1957, p 540-542

RZhAstr 2/59-1174

BALKOVY, A. YE.

3

The 24 September 1956 blow-off prominence

Izv. Krymsk. astrofiz. observ. (News of the Crimean Astrophysical Observatory), No 18, 1958, p 157-161

RZhAstr 1/59-317

BASS, F. G.

3

Determination of the correlation function between fluctuations of the dielectric penetrability according to phase measurements

Radiotekhn. i elektronika (Radio Engineering and Electronics), Vol 3, No 7, 1958, p 970-971

RZhFiz 3/59-6417

BASS, F. G., BOCHAROV, V. G.

3

To a theory of the scattering of electromagnetic waves on a statistically uneven surface

Radiotekhn. i elektronika (Radio Engineering and Electronics), Vol 3, No 2, 1958, p 180-185

RZhFiz 1/59-1632

BATRAKOV, YU. V.

1

On the distribution of the mean motions of  
asteroids near commensuration

Byul. In-ta teor. astron. AN SSSR (Bulletin  
of the Institute of Theoretical Astronomy  
Academy of Sciences USSR), Vol 6, No 9, 1958,  
p 577-580

RZhAstr 2/59-903

BELOMESTNYKH, V. A., SHAFFER, YU. G. 3

Variations of the intensity of cosmic rays  
in the stratosphere and methods for their  
recording and investigation

Tr. Yakutskogo fil. AN SSSR (Works of the  
Yakutsk Affiliate of the Academy of Sciences  
USSR), No 2, 1958, p 47-56

RZhFiz 2/59-2905

BELOV, V. F. 3

Investigation of the scattering function in  
the troposphere and lower stratosphere

Tr. Tsentr. aerol. observ. (Works of the  
Central Aerological Observatory), No 23,  
1957, p 63-77

RZhAstr 3/59-1866

BELOVA, N. A.

3

Design of a zenith-telescope base on the principle of restricted floating

Tr. 12-y Astronmetr. konferentsii SSSR 1955  
(Works of the 12th Astronomical Conference  
USSR, 1955), Gl. astron. observ. v Pulkove  
(Main Astronomical Observatory at Pulkovo)  
1957, p 329-337

RZhAstr 3/59-1811

BEREZINA, L. S.

3

Measurement of absorption of solar radiation in the region of Odessa

Tr. Ukr. n.-i. gidrometeorol. in-ta (Works of the Ukrainian Scientific-Research Hydro-meteorological Institute), No 8, 1957, p 128-135

RZhAstr 2/59-1157

BERG, A. I.

3

The Soviet satellites and radio electronics

Radio (Radio), No 1, 1958, p 3-5

RZhElek 3/59-5659

BERISHVILLI, G. P.

3

The study of the basic characteristics of  
geomagnetic storms with sudden commencements

Tr. In-ta geofiz. AN GruzSSR (Works of the  
Institute of Geophysics, Academy of Sciences  
Georgian SSR), No 16, 1957, p 39-51

RZhGeofiz 2/59-2039

BLOKH, YA. L., KORABLEV, L. N.

3

Automatic recording of outbursts of cosmic  
radiation

Pribory i tekhn. eksperimenta (Instruments  
and Experimental Technique), No 5, 1957,  
p 58-59

RZhElek 6/59-11452

BOL'SHAKOVA, L. G., GEORGIYEVSKIY, YU. N., 3  
OTTO, A. N., RODIONOV, S. F.

Electrophotometric investigation of night  
air-glow

Izv. AN SSSR, Ser. geofiz. (News of the  
Academy of Sciences USSR, Geophysics Series),  
No 3, 1958, p 1044-1047

RZhGeofiz 3/59-3159

BONEV, N.

2

On the meteoritic hypothesis of the origin  
of lunar craters

Meteoritika (Meteoritics), No 16, 1958,  
p 115-119

RZhAstr 3/59-2080

BONEV, N.

3

The New Center of Meteoritics in Bulgaria

Meteorika (Meteoritics), No 16, 1958, p 143-  
144

RZhAstr 2/59-1242

BREYDO, I. I.

3

Increasing the light sensitive properties  
of photographic materials by means of  
hypersensitizing triethanolimine

Zh. nauchn. i prikl. fotogr. i kinematogr.  
(Journal of Scientific and Applied Photo-  
graphy and Cinematography), Vol 3, No 3, 1958,  
p 224-225

RZhAstr 2/59-976

BREYDO, I. I.

3

Booklet on the properties of photographic  
plates used in astrophotography

Izv. Gl. astron. observ. v Pulkove (News of  
the Main Astronomical Observatory at Pulkovo),  
Vol 20, No 5, 1958, p 156-167

RZhAstr 2/59-973

BRONSHTEIN, V. A., ZOTKIN, I. T.

3

VII plenum of the Commission on Comets and  
Meteors of the Astronomical Council of the  
Academy of Sciences USSR, Odessa, 13-17 May  
1957.

ASTRON. zh. (Astronomical Journal), Vol 35,  
No 3, 1958, p 503-506

RZhGeofiz 3/59-2121

BRONSHTEIN, V. A., ZOTKIN, I. T.

3

VII Plenum of the Commission on Comets and  
Meteors of the Astronomical Council of the  
Academy of Sciences USSR

Astron. zh. (Astronomical Journal), Vol 35,  
No 3, 1958, p 503-506

RZhAstr 3/59-1652

BUDYKO, M. I.

3

Balance of an extraordinary conversion

Nauka i Zhizn' (Science and Life), No 10,  
1958, p 13-16

RZhAstr 3/59-1700

BUMBA, V.

3

The relation of chromospheric flares with  
the magnetic poles of groups of sun spots

Izv. Krymsk. astrofiz. observ. (News of the  
Crimean Astrophysical Observatory), No 19,  
1958, p 105-114

RZhGeofiz 3/59-3002

CHEKIRDA, A. T.

2

Plenum of the commission on the physics of  
planets

Vestn. AN SSSR (Herald of the Academy of  
Sciences USSR), No 8, 1958, p 113-114

RZhAstr 2/59-1193

CHISTYAKOV, V. F.

3

The aurora borealis in March 1957

Astron. tsirkulyar. (Astronomical Circular),  
20 June 1957, No 182, p 20-21

RZhGeofiz 3/59-3148

CHURILOVSKIY, V. N.

3

Astronomical reflectors based on the use of  
planiform mirrors

Izv. byssh. ucheb. zavedeniy. Priborostroyenie  
(News of Higher Educational Institutions. In-  
strument Building), No 2, 1958, p 102-113

RZhAstr 3/59-2229

The Largest Cosmic Laboratory in the World 3

Grazhd. aviatsiya (Civil Aviation), No 6,  
1958, p 6-7

RZhAstr 3/59-1719

PUT' V KOSMOS (Path to the Cosmos)

(Book containing materials from the Newspaper  
Pravda)

Moscow, Pravda, 1958, 320 pages, illustr.

RZhAstr 3/59-2182 K

DEBERDEYEV, A. A.

1

Determination of the perturbing forces on  
the movements of celestial bodies

Byul. In-ta teor. astron. AN SSSR (Bulletin  
of the Institute of Theoretical Astronomy,  
Academy of Sciences USSR), Vol 6, No 9,  
1958, p 581-591

RZhAstr 2/59-902

DIVARI, N. B.

3

Terminal factors of the atmospheric trajectory  
of the Sikhote-Alinsk meteorite (Thesis for  
report)

Meteoritika (Meteoritics), No 16, 1958, p 37-38

RZhAstr 2/59-1228

DOBROKHOVSKIY, P. P.

3

Krymskaya astrofizicheskaya observatoriya  
(The Crimean Astrophysical Observatory),  
Moscow, 1958, 50 pages illustr.  
Academy of Sciences USSR

RZhAstr 3/59-1758 K

DOBRODOROV, V.

3

The Soviet artificial earth satellites

Elektrichestvo (Electricity), No 12, 1957,  
p 1-3

RZhGeofiz 1/59-816

DOKUCHAYEV, V. P.

3

A theory of the motion of ionospheric  
heterogeneities

Izv. vyssh. uchebn. zavedeniy. Radiofizika  
(News of Higher Educational Institutions.  
Radiophysics), No 1, 1958, p 34-40

RZhGeofiz 2/59-1971

DOLUKHANOV, M. P.

3

On the expediency of using "tropospheric  
radiowaves" (in the course of discussion)

Radiotekhnika (Radio Engineering), Vol 13,  
No 6, 1958, p 75-76

RZhFiz 1/59-1629

DORMAN, L. I.

3

Toward the theory of the temperature effect  
of the neutron component of cosmic rays

Tr. Yakutskogo fil. AN SSSR (Works of the  
Yakutsk Affiliate of the Academy of Sciences  
USSR), No 2, 1958, p 68-72

RZhFiz 2/59-2911

DORMAN, L. I.

3

Toward a theory of the meteorological  
effects of soft and total ionizing  
component of cosmic rays

Tr. Yakutskogo fil. AN SSSR (Works of the  
Yakutsk Affiliate of the Academy of Sciences  
USSR), No 2, 1958, p 59-67

RZhFiz 2/59-2915

DORMAN, L. I.

3

Information on solar corpuscular streams  
obtained a study of variations of cosmic rays

Fiz. solnechn. korpuskuljarn. potokov i ikh  
vozdeystviye na verkhnyyu atmosferu Zemli  
(Physics of Solar Corpuscular Streams and Their  
action on the upper atmosphere of the Earth),  
Moscow, AN SSSR, 1957, p 112-125

RZhAstr 3/59-1902

DORMAN, L. I., FREYDMAN, G. I.

3

Flare of the intensity of cosmic rays of  
23 February 1956 and its interpretation

Tr. Yakutskogo fil. AN SSSR (Works of the  
Yakutsk Affiliate of the Academy of Sciences  
USSR), No 2, 1958, p 129-169

RZhAstr 3/59-1903

DRACHEV, L. A.

3

Measurement of the phase path of a signal  
reflected from the ionosphere

Pribory i tekhn. eksperimenta (Instruments  
and Experimental Technique), No 2, 1958,  
p 56-61

RZhFiz 1/59-1611

DREYZIN, R. L.

Results of studying the occasion of the  
fall of a rocky meteorite shower in Crimea

Meteoritika (Meteoritics), No 16, 1958,  
p 105-107, Moscow

RZhAstr 1/59-444

DRIVING, A. YA., SMIRNOVA, A. I.

3

Clouds in the stratosphere

Izv. AN SSSR, ser. geofiz (News of the  
Academy of Sciences USSR, Geophysics Series),  
No 2, 1958, p 337-346

RZhGeofiz 2/59-2029

DUBOSHIN, G. N.

1

Differential equations for the progressive-  
rotational motion of solid bodies mutually  
attracted

Astron. Zh. (Astronomical Journal), Vol 35,  
No 2, 1958, p 265-276

RZhAstr 2/59-900

DUBROVSKIY, V. G.

3

Highspeed method of recording earth currents  
utilizing the holding capacity of electrodes  
and galvanometers

Izv. AN TurkmenSSR (News of the Academy of  
Sciences Turkmen SSR), No 1, 1958, p 3-10

RZhGeofiz 1/59-769

DUDNIK, B. S., KASHCHEYEV, B. L., IAGUTIN, M. F. 3  
LYSENKO, I. A., TOLSTOV, V. V., DELOV, I. A.

Study of meteor activity at a frequency of  
72 megacycles by radar method

Izv. Vyssh. uchebn. zavedeniy. Radiofizika  
(News of Higher Educational Institutions.  
Radiophysics), No 2, 1958, p 66-70

RZhGeofiz 3/59-2980

D'YAKONOVA, M. I.

The chemical composition of the Sikhote-  
Alinskiy meteorite

Meteoritika (Meteoritics), No 16, 1958,  
p 42-48, Moscow

RZhAstr 1/59-443

EPSHTEYN, P.

3

Theory of the propagation of electromagnetic  
waves in a hydromagnetic field

Uspekhi fiz. nauk. (Progress of Physical  
Sciences), Vol 65, No 2, 1958, p 283-311

RZhFiz 2/59-3962

EYGENSON, M. A.

3

On the reasons for the high solar activity  
during 1955-1956

Dopovidi ta povidomleniya. L'viv's'k. un-t  
(Reports and Information. L'vov University),  
Vol 7, No 3, 1957, p 224-228

RZhGeofiz 3/59-2996

FEDYNSKIY, V. V.

3/4

Observation of Meteors

Mezhdunar. geofiz. god. Inform. byul. (International Geophysical Year. Information Bulletin), No 3, 1957, p 55-62

RZhGeofiz 1/59-779

FEL'DSHTEYN, YA. I.

3

Geographic distribution of auroras in the  
southern portion of the Soviet Arctic

Probl. Arktiki. Problems of the Arctic,  
No 4, Morsk. transport (Marine Transportation), 1958, p 45-49

RZhGeofiz 1/29-938

FEL'DSHTEYN, YA. I., KURDINA, YE. I. 3

Magnetic variations in the region of the auroral zone

Probl. Arktiki. (Problems of the Arctic),  
No 3, 1958, p 53-59

RZhGeofiz 3/59-3193

FESENKO, V. G. 3

Zodiacal light as a product of the disintegration of asteroids

Astron. zh. (Astronomical Journal), Vol 35,  
No 3, 1958, p 327-334

RZhGeofiz 3/59-3167

FESENKO, V. G. 3

Investigations of Zodiacal light. (Preliminary results of the observations of the expedition in Egypt).

Vest. AN SSSR (Herald of the Academy of Sciences USSR), No 6, 1958, p 89-91

RZhGeofiz 1/59-957

FESENKO<sup>V</sup>, V. G.

3

Progress in Meteoritics

Meteoritika (Meteoritics), No 16, 1958, p 5-10,  
Moscow

RZhAstr 2/59-1224

FESENKO<sup>V</sup>, V. G.

3

Expedition of the Academy of Sciences, USSR,  
in Aswan (Egypt) for the observation of  
Zodiacal light and optical properties of the  
atmosphere

Astron. zh. (Astronomical Journal), Vol 35,  
No 2, 1958, p 305-313

RZhAstr 2/59-1180

FESENKO<sup>V</sup>, V. G.

3

The expedition of the Academy of Sciences  
USSR in the Egyptian region of the OAR for  
observation of Zodiacal light

Mezhdunar. geofiz. god. Inform. byul.  
(International Geophysical Year. Information  
Bulletin), No 5, 1958, p 82-85

RZhAstr 3/59-2036

FEYGELOV, YE. M., MALKEVICH, M. S., 3  
KOGAN, S. YA., KORONATOVA, T. D., GLAZOVA,  
K. S., KUZNETSOVA, M. A.

Calculation of the brightness of light in the atmosphere by anisotropic scattering. Part I.

Tr. In-ta fiz. atmosf. AN SSSR (Works of the Institute of the Physics of the Atmosphere, Academy of Sciences, USSR), No 1, 1958, 103 pages, illustr.

RZhAstr 2/59-1021

FIKHTENGOL'TS I. G.

3

On the dependence of the motion of bodies in a gravitational field to their mass

Zh. eksperim. i teor. fiziki. (Journal of Experimental and Theoretical Physics), Vol 32, No 5, p 1098-1101

RZhAstr 1/59-459

FRIDLENDER, E., RUKENSHEYN, E.

3

On the nature of particles carrying the main part of the energy in nuclear collisions with medium energies

Zh. eksperim. i teor. fiz. (Journal of Experimental and Theoretical Physics), Vol 35, No 1, 1958, p 104-110

RZhFiz 2/59-2921

FRISHMAN, I. G.

3

Fast electrophotometer for measuring the  
brightness of auroras

Pribory i tekhn. eksperimenta (Instruments  
and Experimental Technique), No 1, 1958,  
p 128-130

RZhGeofiz 1/59-939

FUKS, L. A., SHVARTSMAN, B. F.

3

Temperature effect in seasonal and diurnal  
variations of the hard component of cosmic  
rays according to the data of Cape Shmidt  
station

Tr. Yakutskogo fil. AN SSSR (Works of the  
Yakutsk Affiliate of the Academy of Sciences  
USSR), No 2, 1958, p 118-122

RZhFiz 2/59-2910

GALIBINA, I. V.

1

Determination of the initial and future  
orbits of certain long-period comets

Byul. In-ta teor. astron. AN SSSR (Bu-  
letin of the Institute of Theoretical  
Astronomy of the Academy of Sciences, USSR),  
Vol 6, No 9, 1958, p 630-670

RZhAstr 3/59-1772

GERLING, E. K., LEVSKIY, L. K.

3

On the origin of inert gases in rock  
meteorites

Meteoritika (Meteoritics), No 16, 1958,  
p 30-36

RZhAstr 2/59-1227

GINZBURG, V. L.

3

The use of artificial earth satellites for  
verifying the general theory of relativity

Uspekhi fiz. nauk (Progress of Physical  
Science), Vol 63, No 1, 1957, p 119-122

RZhAstr 2/59-1260

GINZBURG, V. L., FRADKIN, M. I.

3

The origin of cosmic rays

Priroda (Nature), No 8, 1958, p 3-12

RZhFiz 2/59-2893

GLOKOVA, YE. S., KAMINER, N. S.,  
MISHINA, N. A.

3

Cyclic and seasonal variations of the diurnal  
wave of the intensity of cosmic rays

Tr. Yakutskogo fil. AN SSSR (Works of the  
Yakutsk Affiliate of the Academy of Sciences  
USSR), No 2, 1958, p 95-106

RZhFiz 2/59-2909

GOL'DMAN, I. I.

3

Polarization of mu-mesons in cosmic rays

Zh. eksperim. i teor. fiz. (Journal of  
Experimental and Theoretical Physics),  
Vol 34, No 4, 1958, p 1017-1019

RZhFiz 1/59-534

GONTKOVSKAYA, V. T.

1

Use of modern calculator techniques in  
analytical methods of celestial mechanics

Byul. In-ta. teor. astron. AN SSSR (Bu-  
letin of the Institute of Theoretical  
Astronomy, Academy of Sciences USSR), Vol 6,  
No 9, 1958, p 592-629

RZhAstr 2/59-911

GOPASYUK, S. I.

3

On movements in the 31 August 1956 flare  
on the Sun

Izv. Krymsk. astrofiz. observ. (News of  
the Crimean Astrophysical Observatory), No 19,  
1958, p 100-104

RZhGeofiz 3/59-3000

GORDON, I. M.

3

Non-thermal radiation in the spectra of  
nonstationary stars and the origin of  
cosmic rays

Uch. zap. Khar'kovsk un-t (Scientific Notes  
of the Khar'kov University), No 91, 1957,  
Tr. Astron. observ. (Works of the Astron-  
omical Observatory), No 12, p 5-71

RZhAstr 1/59-212

GORDON, I. M., PICHAKHCHI, L. D.

3

Concerning the problem of the polarization  
of light in the emission lines of non station-  
ary stars excited by synchrotronous radiation  
of relativistic electrons

Dokl. AN SSSR (Reports of the Academy of Sci-  
ences USSR), Vol 120, No 1, 1958, p 55-58

RZhAstr 3/59-1888

GRIGOROV, N. L., PODGURSKAYA, A. V., 3  
SAVEL'YEVA, A. I., POPEREKOVA, L. M.

The interaction of cosmic ray particles  
with different nuclei

Zh. eksperim. i teor. fiz. (Journal of  
Experimental and Theoretical Physics),  
Vol 35, No 1, 1958, p 3-15

RZhFiz 2/59-2922

GRISHIN, N. I. 3

Study of the movements of noctilucent clouds

Byul. Vses. astron.-geod. o-ba (Bulletin  
of the All Union Astronomical-Geodetic  
Society), No 21, 1958, p 52-60

RZhGeofiz 1/59-958

GRISHIN, N. I. 3

Noctilucent clouds over USSR European terri-  
tory in 1956

Astron. tsirkulyar (Astronomical Circular),  
No 181, 1957, p 24-25

RZhAstr 1/59-376

GUL'MEDOV, KH. D.

Activity of the Orionids in 1957 According  
to Observations at the Astrophysical Obser-  
vatory at Vannovskiy

Izv. AN TurkmenSSR (News of the Academy of  
Sciences Turkmen SSR), No 1, 1958, p 109-  
110

RZhAstr 1/59-433

GUL'NITSKIY, L. V.

3

Limiting coefficient of transparency of  
the Earth's atmosphere

Sb. nauchn. tr. Kazakhsk. gorno-metallurg.  
in-ta (Collection of Scientific Works of  
the Kazakh Mining-Metallurgical Institute),  
No 15, 1957, p 86-100

RZhAstr 1/59-189

GURTOVENKO, E. A.

3

The AFR-2 telescope for chromospheric  
observations when there is no eclipse

Mezhdunar. geofiz. god. Inform. byul. (Inter-  
national Geophysical Year. Information Bul-  
letin), No 1, 1958, p 69-78

RZhGeofiz 3/59-2962

GURZADYAN, A. G.

4

"Lunar" radiointerferometer

Dokl. AN SSSR (Reports of the Academy of Sciences USSR), Vol 118, No 6, p 1094-1097

RZhAstr 1/59-303

GURTOVENKO, YE. A.

3

Solar observations

Nauka i zhitya (Science and Life), No 10, 1958, p 47-49 (Ukrainian)

RZhAstr 3/59-1696

IL'YASOV, U.

3

Study of telescope meteors during the period of preparation for the international Geophysical Year (1954-1957)

Uch. zap. Tashauzsk. gos. ped. in-t. (Scientific Notes of the Tashauzsk. State Pedagogical Institute), No 1, 1957, p 71-89

RZhAstr 3/59-2049

IMNADZE, M. P.

1

Integrals of two body problems in spherical coordinates and their application for determining orbits

Byul. Abastumansk. astrofiz. observ. (Bulletin of the Abastumani Astrophysical Observatory), No 22, 1958, p 145-180

RZhAstr 2/59-904

IMYANITOV, I. M.

3

Pribory i metody dlya izucheniya elektrichestva atmosfery (Instruments and methods for studying atmospheric electricity)

Moscow, Gostekhizdat, 1957, (State Publishing House of Technical Literature), 483 pages, illustr.

RZhGeofiz 2/59-1696 K

IMYANITOV, I. M.

3

Measuring the electrostatic fields in the upper layers of the Earth's atmosphere

Uzpeksi fiz. nauk (Progress of Physical Science, Vol 63, No 16, 1957, p 267-282

RZhGeofiz 2/59-1697

ITSKOVICH, N.

3

Artificial Earth Satellites and Human  
Knowledge

Kommunist (Communist), No 8, 1958, p 24-27

RZhAstr 3/59-2181

IVANCHUK, V. I.

3

Variability of the magnetic field and the  
"heating" of the solar atmosphere

Dokl. AN SSSR (Reports of the Academy of  
Sciences USSR), Vol 117, No 4, 1957,  
p 589-592

RZhAstr 1/59-312

KALASHNIKOV, A.

3

Satellites and the problems of terrestrial  
magnetism

Izvestiya (newspaper), 16 May 1958, p 5

RZhGeofiz 3/59-3107

KANUNIKOV, V. N.

3

Electronic interval timer for determining errors in measuring the flight duration of meteors

Byul. Vses. astron.-geod. o-va (Bulletin of All Union Astronomical-Geodetical Society), No 21, 1958, p 41-44

RZhElek 5/59-9453

KARIMOV, M. G.

3

On estimation of the intensities of the 5303 and 6374 Å coronal lines

Izv. Astrofiz. in-ta. AN KazSSR (News of the Astrophysics Institute Academy of Sciences Kazakh SSR), No 6, 1958, p 92-102

RZhAstr 1/59-325

KASHCHEYEV, B. L., DUDNIK, B. S.,  
LAGUTIN, M. F., LYSENKO, I. A.,  
TOLSTOV, V. V.

4

Radar observations of meteor activity

Mezhdunarodn. geofiz. god. Inform. byul.  
(International Geophysical Year. Information Bulletin), No 1, 1958, p 38-42

RZhAstr 3/59-1956

KASHPROVSKIY, V. YE.

3

Some properties of primary electromagnetic disturbances caused by lightning

Elektrosvyaz' (Electrical Communications),  
No 7, 1958, p 23-32

RZhGeofiz 2/59-1702

KASHPROVSKIY, V. YE.

3

Some properties of electromagnetic disturbances caused by lightning discharges

Dokl. 7-y Nauchn. konferentsii, posvyashch.  
40-letiyu Velikoy Oktyabr'sk. sots. revol-  
yutsii (Reports of the 7th Scientific Conference Dedicated to the 40th Anniversary of the Great October Revolution) № 2, 1957, p 76-79,  
Tomsk, Tomsk University

RZhFiz 3/59-6412

KAYDANOVSKIY, N. L., IKHSANOVA, V. N.  
SOBOLEVA, N. S., TIMOFEEVA, G. M.,  
GEL'FREYKH, G. B.

4

Strong outburst of solar radio emission of  
3 March 1958

Solnechnyye dannyye (Solar Data), No 3, 1958,  
p 72-75

RZhAstr 3/59-1946

KAZACHEVSKAYA, T. V.

3

Contours of H and K Ca II lines in the spectrum of a flare

Izv. Krymsk. astrofiz. observ. (News of the Crimean Astrophysical Observatory), No 20, 1958, p 80-85

RZhGeofiz 3/59-3001

KAZYUTINSKIY

4

K voprosy o polyarizatsii radioizlucheniya Luny na  $\lambda=3.2$  cm  
(Problem concerning the polarization of lunar radioemission on the 3.2 cm wave length)

Nauk. shchorichnik. Fiz. fak. Kiivs'k. un-ty  
1956 (Scientific Journal of the Physics Faculty, Kiev University, 1956), Kiev, 1957,  
430 pages

RZhAstr 1/59-286 K

KHABIBULLIN, Sh. T.

Determination of the coordinates of locations on the Moon

Uch. zap. Kazansk. un-ta (Scientific Notes of Khazan University), Vol 117, No 9, 1957, p 174-176

RZhAstr 1/59-121

KHACHINKYAN, E. YE.

3

Measurement of the degree of polarization  
and color of the NGC 2023 and NGC 7023  
nebulae

Izv. AN ArmSSR. Ser. fiz-matem. N. (News  
of the Academy of Sciences Armenian SSR.  
Physicomathematical Sciences Series),  
Vol 10, No 5, 1957, p 107-122

RZhAstr 1/59-184

KHARADZE, YE. K.

3

Abastumanskaya astrofizicheskaya obser-  
vatoriya (The Abastumani Astrophysical  
Observatory), Moscow, Academy of Sciences  
USSR, 1958, 38 pages, illustr.

RZhAstr 3/59-1759 K

KOLOBKOV, N. V.

3

Rare aurora

Meteorol. i gidrologiya, (Meteorology and  
Hydrology), No 3, 1958, p 56-58

RZhGeofiz 2/59-2024

KOLUPAYEV, A. P.

On the requirements for quality in chronometers  
and an estimate of their worth

Geod. i kartografiya (Geodesy and Cartography),  
No 5, 1958, p 11-14

RZhAstr 1/59-130

KORCHAK, A. A.

3

On the composition of cosmic rays in sources  
of preliminary acceleration

Dokl. Bolg. AN (Reports of the Bulgarian  
Academy of Sciences), Vol 10, No 4, 1957,  
p 261-264

RZhAstr 1/59-226

KORCHAK, A. A.

3

On the composition of primary cosmic rays

Dokl. Bolg. AN (Reports of the Bulgarian  
Academy of Sciences), Vol 10, No 4, 1957,  
p 265-268

RZhFiz 2/59-2900

KOROL'KOV, D. V.

3

On the possibility of building a radio-interferometer with a large variable base

Radiotekhn. i elektronika (Radio Engineering and Electronics), Vol 3, No 6, 1958,  
p 851-852

RZhFiz 3/59-6475

KOROL'KOV, D. V., SOBOLEVA, N. S.

3

New on the radio emission of sun spots

Priroda, No 1, 1958, p 87-89

RZhFiz 3/59-6484

KOSTSOV, R. I.

1

Function of air resistance for solving problems of exterior ballistics

Leningr. voyen.-mekhan. in-t (Leningrad Military-Mechanics Institute), No 6, 1957,  
p 400-408

RZhMekh 1/59-56

KOSTYLEV, K. V.

4

Automatic recording apparatus of the astronomical observatory imeni Engel'gardt for radar observations of meteors

Astron. zh. (Astronomical Journal), Vol 35,  
No 4, 1958, p 643-650

RZhAstr 3/59-1955

KOTEL'NIKOV, V. A., DUBROVIN, V. M.,  
MOROZOV, V. A., RZHIGA, O. N.,  
SHAKHOVSKOY, A. M.

1

Use of Doppler effect for determining the orbital parameters of artificial earth satellites

Radiotekhn. i elektronika (Radio Engineering and Electronics), Vol 3, No 7, 1958, p 873-881

RZhGeofiz 3/59-3097

KOVAL'SKAYA, A. I.

3

Toward the problem of the seasonal variation of the barometric coefficient of the hard component of cosmic rays

Tr. Yakutskogo fil. AN SSSR (Works of the Yakutsk Affiliate of the Academy of Sciences USSR), No 2, 1958, p 85-87

RZhFiz 2/59-2913

KOVAL'SKAYA, A. I., KRASIL'NIKOV, D. D., 3  
NIKOL'SKIY, S. I.

Preliminary results of determining the  
barometric and temperature effects of wide  
atmospheric showers near sea level

Tr. Yakutskogo fil. AN SSSR (Works of the  
Yakutsk Affiliate of the Academy of Sci-  
ences USSR), No 2, 1958, p 88-92

RZhFiz 2/59-2914

KRASOVSKIY, V. I.

3

Study of the Upper Atmosphere

Priroda (Nature), No 5, 1957, p. 55-60

RZhAstr 2/59-1181

KRASOVSKIY, V. I.

3

Characteristics of the properties of corpus-  
cular radiation of the Sun according to  
auroral spectra

Astron. zh. (Astronomical Zhurnal), Vol 35,  
No 2, p 222-226

RZhGeofiz 2/59-1979

KRASOVSKIY, V. I., KUSHNIR, YU. M., 3  
BORDOVSKIY, G. A.

Investigation of the corpuscular radiation  
of the Sun with the aid of an artificial  
Earth satellite

Uspekhi fiz. nauk (Progress of Physical  
Science), Vol 64, No 3, 1958, p 425-434

RZhAstr 3/59-2027

KRAT, V. A. 3

Utilization of a photographic method in  
Solar spectrography

Zh. nauch. i prikl. fotogr. i kinematogr.  
(Journal of Scientific and Applied Photo-  
graphy and Cinematography), Vol 3, No 1,  
1958, p 68-72

RZhAstr 1/59-309

KRAT, V. A., KRAT, T. V., 3  
PRAVDYUK, L. M.

Izv. Gl. astron. observ. v Pulkove (News of  
the Main Astronomical Observatory at Pulkovo),  
Vol 20, No 5, 1958, p 1-11

RZhAstr 2/59-1126

KRAT, V. A., SOBOLEV, V. M.

3

The solar chromosphere

Izv. Gl. astron. observ. v Pulkove (News of  
the Main Astronomical Observatory at Pulkovo),  
Vol 21, No 1, 1957, p 116-139

RZhAstr 1/59-313

KRAT, V. A., SOBOLEV, V. M.

3

The solar chromosphere

Izv. Gl. astron. observ. v Pulkove (News of  
the Main Astronomical Observatory at Pulkovo),  
Vol 21, No 1, 1957, p 116-139

RZhGeofiz 1/59-796

KREYMERMAN, M. M.

1

Determination of the parameters of correction  
devices of linear tracking systems according  
to given values of their generalized parameters

Avtomatika i telemekhanika (Automatics and  
Telemechanics), Vol 19, No 2, 1958, p 135-147

RZhMekh 1/59-86

KULIKOV, G. V., KHRISTIANSEN, G. B. 3

The spectrum of extensive atmospheric  
showers according to the number of parti-  
cles

Zh. eksperim. i teor. fiz. (Journal of  
Experimental and Theoretical Physics), Vol 35,  
No 3, 1958, p 635-640

RZhAstr 3/59-1904

KULIKOV, K. A. 1

Astronomy and the study of the deep layers  
of the Earth

Priroda (Nature), No 6, 1958, p 19-26

RZhAstr 3/59-1690

KUPREVICH, N. F. 3

Use of electronic methods in astrospectroscopy

Priroda (Nature), No 5, 1958, p 74

RZhAstr 3/59-1819

KURNOSOVA, L. V.

3

Some results of investigations using artificial earth satellites

Priroda, (Nature), No 6, 1958, p 85-86

RZhGeofiz 1/59-906

KUZ'MIN, A. D.

3

Toward the problem of measuring the intensity of radio emission from sources with small angular measurements

Radiotekhn. i elektronika (Radio Engineering and Electronics), Vol 3, No 4, 1958, p 561-562

RZhElek 4/59-7946

KUZ'MIN, A. I., SKRIPIN, G. V.

3

Relationship of the diurnal effect of the intensity of cosmic rays on geomagnetic and solar activity

Tr. Yakutskogo fil. AN SSSR (Works of the Yakutsk Affiliate of the Academy of Sciences USSR), No 2, 1958, p 107-117

RZhFiz 2-59-2906

KUS'MIN, A. I., SKRIPIN, G. V.,  
YARYGIN, A. V.

3

Apparatus for studying the energy characteristics of variations of cosmic rays

Tr. Yakutskogo fil. AN SSSR (Works of the  
Yakutsk Affiliate of the Academy of Sciences  
USSR), No 2, 1958, p 34-35

RZhFiz 2/59-2926

KVASHA, L. G.

3

Mineral composition and the structure of  
the Sikhote-Alinskiy iron meteorite (Thesis  
of report)

Meteoritika (Meteoritics), No 16, 1958, p 49-  
58

RZhAstr 3/59-2071

KVASHA, L. G.

3

On the Thermal metamorphism of some types of  
stony meteorites

Meteoritika (Meteoritics), No 16, 1958, p 156-  
174

RZhAstr 3/59-2069

KVASHA, L. G.

3

Petrographic study of the Nikol'skoye stony meteorite

Meteoritika (Meteoritics), No 15, 1958, p 97-  
114

RZhAstr 3/59-2072

LEVIN, B. YU.

2

History of the Moon's rotation and the geo-  
logical properties of its matter

Vopr. kosmogonii (Problems of Cosmogony),  
Vol 6, 1958, p 56-62

RZhAstr 3/59-2079

LEVIN, B. YU.

2

The origin and composition of the Earth

Izv. AN SSSR (News of the Academy of Sciences  
USSR), No 11, 1957, p 1323-1331

RZhAstr 1/59-450

LEVIN, B. YU., SLONIMSKIY, G. L.

3

On the origin of meteoric chondrules  
(Report at the VII Meteoritic Conference,  
Moscow, Nov, 1956)  
See RZhAstr No 10, 1957-8342)

RZhAstr 2/59-1227

LEYKIN, G. A.

3

Sonde for measuring the density and temperature while moving at supersonic velocities in a highly rarefied medium

Izv. AN SSSR, Ser. geofiz. (News of the Academy of Sciences USSR, Geophysics Series), No 4, 1958, p 558-559

RZhGeofiz 3/59-2961

LEYKIN, G. A.

3

The Effect of tidal friction on the motion of a satellite of the Earth

Astron. zh. (Astronomical Journal), Vol 35, No 2, 1958, p 297-300

RZhAstr 2/59-1275

LOCH, B. F.

3

Characteristics of thunderstorm activity  
according to instrumental observations

Issled. oblakov, ocadkov i grozovogo elek-  
trichestva (Investigations of clouds,  
precipitation and storm electricity),  
Gidrometeoizdat (Publishing House of Hydro-  
meteorological Literature), 1957, p 150-151

RZhGeofiz 2/59-1701

LUKINA, L. V.

3

The aurora of 11 February 1958

Priroda (Nature), No 8, 1958, p 117-118

RZhGeofiz 3/59-3150

LYAKHOVA, L. N.

3

Ionospheric-Magnetic Stroms

Priroda (Nature), No 6, 1958, p 89-91

RZhGeofiz 3/59-3181

LYAPUNOV, B. V.

3

Rockets and satellites

Nauka i Zhittya (Science and Life), No 8,  
1958, p 14-18 (Ukrainian)

RZhAstr 3/59-1731

MAGNARADZE, N. G.

1

Some notes on the problem of the motion of  
a material point under the action of forces  
depending on time

Byul. Abastumansk. astrofiz. observ. (Bul-  
letin of the Abastumani Astrophysical Observa-  
tory), No 22, 1958, p 139-144

RZhAstr 3/59-1771

MAKROVICH, M. Z.

3

Problem of the surface temperature of the  
rotating nucleus of a comet

Byul. Stalinabadsk. astron. observ. (Bul-  
letin of the Stalinabad Astronomical Observa-  
tory), No 20, 1957, p 29-36

RZhAstr 2/59-1199

MARKOV, A.

2

The Moon. Our nearest neighbor

Tekh. molodezhi (Engineering for Youth),  
No 10, 1958, p 5-6

RZhAstr 3/59-1702

MARKOV, A. V.

3

Optical and photometric properties of the  
ASI-4 photographic reflector-lens camera

Izv. Gl. astron. observ. v Pulkove (News of  
the Main Astronomical Observatory at Pulkovo),  
Vol 20, No 5, 1958, p 130-137

RZhAstr 2/59-1413

MARTYNOV, D. YA.

3

Gozudarstvennyy astronomicheskiy institut  
imeni P. K. Shternberga The State Astronomical  
Institute, P. K. Shternberg)

Moscow, AN SSSR (Academy of Sciences USSR),  
1958, 31 pages, illustr.

RZhAstr 2/59-884 K

MASEVICH, A. G., LOZINSKIY, A. M. 3

Optical tracking methods for the first  
artificial satellites

Publs Astron. Soc. Pacif., Vol 70, No 412,  
1958, p 79-82

(Russian authors writing in English Publica-  
tion)

RZhAstr 2/59-1290

MASSAL'SKAYA K. P. 3

Bibliographic index of literature on  
meteoritics. No 5, 1955.

Meteoritika (Meteoritics), No 16, 1958,  
p 181-208

RZhAstr 2/59-1243

MEDVEDEV, V. S. 3

Automatic spectrophotometer for the visible  
ultraviolet region of the spectrum

Pribory i tekhn. eksperimenta (Instruments  
and Experimental Technique), No 5, 1957,  
p 100-105

RZhElek 6/59-11441

MERGRELLISHVILI, T. G.

3

On the luminescence of the twilight sky in infrared region of the spectrum

Dokl. AN SSSR (Reports of the Academy of Sciences USSR), Vol 116, No 5, 1957, p 766-768

RZhGeofiz 2/59-2028

MEGRELLISHVILI, T. G.

3

On the possibility of investigating aerosol layers by the twilight method

Izv. AN SSSR, Ser. geofiz. (News of the Academy of Sciences, Geophysics Series), No 4, 1958, p 560-563

RZhGeofiz 1/59-956

MERMAN, N. V.

3

The planetary meniscus telescope

Izv. Gl. astron. observ. v Pulkove (News of the Main Astronomical Observatory at Pulkovo), Vol 20, No 6, 1958, p 144-182

RZhAstr 2/59-1412

MIKHAYLOV, A. A.

3

What observations of the Moon can give to  
Geodesy

Geod. i kartografiya (Geodesy and Cartog-  
raphy), No 9, 1957, p 8-20

RZhAstr 2/59-1556

MIKHAYLOV, A. A.

3

What observations of the Moon can give to  
geodesy

Geod. i kartografiya (Geodesy and Cartog-  
raphy), No 11, 1957, p 53-63

RZhAstr 2/59-1557

MIKHNEVICH, V. V.

3

Some results of investigations of the upper  
atmosphere

Priroda (Nature), No 5, 1958, p 71-72

RZhGeofiz 2/59-3120

MIKHEYEV, V. I., KALININ, A. I.

3

Application of roentgenometric method for  
studying the material composition of meteo-  
rites

Meteoritika (Meteoritics), No 15, 1958, p 156-  
179

RZhAstr 3/59-2066

MIKHNEVICH, V. V.

3

Measurement of pressure in the upper atmos-  
phere

Uspekhi fiz. Nauk (Progress of Physical  
Sciences), Vol 63, No 1 "b", 1957, p 197-  
204

RZhMekh 2/59-1416

MIRZOYAN, L. V.

3

Byurakanskaya astrofizicheskaya observa-  
toriya (The Byurakan Astrophysical Observa-  
tory), Moscow, Academy of Sciences USSR,  
1958, 30 pages, illustr.

RZhAstr 3/59-1760 K

MISHIN, V. M.

3

On the structure of the diurnal variation  
of magnetic activity

Dokl. AN SSSR (Reports of the Academy of  
Sciences USSR), Vol 118, No 6, 1958,  
p 1109-1112

RZhGeofiz 3/59-3198

MOISEYEV, B. N., TALYZIN, A. N.

3

Radio apparatus for automatic processing  
of the results of ionization measurements

Pribory i Tekhn. eksperimenta (Instruments  
and Experimental Techniques), No 5, 1957,  
p 60-62

RZhElek 6/59-11458

MUSTEL', E. R.

3

Problem of the flow of matter from station-  
ary stars

Izv. Krymsk. astrofiz. observ. (News of the  
Crimean Astrophysical Observatory), No 19,  
1958, p 153-164

RZhAstr 3/59-1887

MUSTEL', E. R., MITROPOL'SKAYA, O. N. 3

Comparison of calcium floccules with geo-magnetic and ionospheric disturbances

Izv. Kryms. astrofiz. observ. (News of the Crimean Astrophysical Observatory), No 18, 1958, p 162-181

RZhAstr 2/59-1135

NASYROW, G. A. 4

Radar determinations of meteor activity in the July-September 1957 period at Ashkhabad

Izv. AN TurkmenSSR (News of the Academy of Sciences Turkmen SSR), No 6, 1957, p 100

RZhAstr 3/59-1957

NIKITIN, S. P. 3

The problem of determining the speed of light by astronomical methods

Uch. zap. Gomel'sk. gos. ped. in-t (Scientific Notes of the Gomel'sk State Pedagogical Institute), No 5, 1957, p 133-137

RZhAstr 2/59- 1258

NIKOL'SKIY, A. P. (Editor)

3

Rezul'taty magnitnykh nablyudeniy polaryarnykh observatoriiz za 1934-1955 (Results of Magnetic Observations at Polar Observatories for the period 1934-1955)

Tr. Arkt. n.-i. in-ta., 212 (Works of the Arctic Scientific Research Institute, 212), 1957, 147 pages, illustr.

RZhGeofiz. 3/59-3195 K

NIKOL'SKIY, A. P.

3

On the planetary distribution of magnetic-ionospheric disturbances and auroras

Dokl. AN SSSR (Reports of the Academy of Sciences USSR), Vol 115, No 1, 1957, p 84-87

RZhGeofiz 3/59-3197

NIKULIN, N. S., SEVERNYY, A. B.,  
STEPANOV, V. YE.

3

Measurement of weak magnetic fields and radial velocities on the surface of the Sun

Astron. tsirkulyar. (Astronomical Circular)  
No 183, 27 July 1957, p 9-13

RZhGeofiz 3/59-3003

NOVAK, I.

3

A thousand observations of the Soviet Artificial earth satellites

Nauka i Zhizh' (Science and Life), No 10,  
1958, p 8-9

RZhAstr 3/59-1713

Osnovnoy prognoz rasprostraneniya radio- 3  
voln (Basic prediction of the propagation  
of radiowaves)

N.-i. in-t zemn. magn. ionosfery i rasprostr.  
radiovoln (Scientific Research Institute of  
Terrestrial Magnetism, the Ionosphere and  
Radiowave Propagation), 1956,

August, No 2(140); September, No 3(141);  
October, No 4(142); November, No 5(143).  
Illustr.

RZhGeofiz 3/59-3175, 3176, 3177, and 3178

OTTO, A. N.

3

Self-recording electrophotometer for measuring  
night sky radiation

Pribory i tekhn. eksperimenta (Instruments and  
Experimental Technique), No 1, 1958, p 130-131

RZhAstr 3/59-2022

PEREVERTUN, A. I.

3

Determination of the coefficient of transparency of the atmosphere in the photographic part of the spectrum

Sb. nauchn. tr. Kazakhsk. gorno-metallurg. in-ta (Collection of Scientific Works of the Kazakh Mining-Metallurgical Institute), No 15, 1957, p 133-146

RZhAstr 1/59-188

PETROV, V. M.

1

Iskusstvennyy sputnik Zemli (Artificial Earth Satellites)

Voyenizdat (Military Publishing House), 1958, 306 pages, illustr., charts

RZhGeofiz 2/59-1997 K

PETROV, V. M.

Iskusstvennyy sputnik Zemli (Artificial Earth Satellites), Voyenizdat (Military Publishing House), 1958, 306 pages,

Reviewed by: Fedoseyev, S. M. and Kon'kov, N. G., in Vest. Vozd. Flota (Herald of the Air Fleet), No 6, 1958, p 81-84

RZhAstr 1/59-525 Rets. (Review)

PETROV, V. P.

3

Orientation in the cosmos

Nauka i Zhizn' (Science and Life), No 9,  
1958, p 7-12

RZhAstr 3/59-1735

PETROVICH, V. G.

1

Principal problems of cosmonautics

Vest. AN SSSR, (Herald of the Academy of  
Sciences USSR), No 6, 1958, p 28-34

RZhGeofiz 1/59-921

PIKEL'NER, S. B.

3

Basic Ideas of Magneto-hydrodynamics

Izv. AN SSSR, Ser. geofiz. (News of the  
Academy of Sciences, Geophysics Series),  
No 1, 1958, p 46-53

RZhGeofiz 1/59-807

POGORELOV, V. I.

3

On the connection of the radiance of auroras  
with radar reflections from them

Izv. AN SSSR, Ser. geofiz. (News of the  
Academy of Sciences USSR, Geophysics Series),  
No 8, 1958, p 1052-1053

RZhGeofiz 3/59-3142

POGORELOV. V. I.

3

Radar reflections from auroras

Izv. AN SSSR, Ser. Geofiz. (News of the  
Academy of Sciences USSR, Geophysics Series)  
No 8, 1958, p 1048-1051

RZhGeofiz 3/59-3141

POKSHIVNITSKIY, G. S.

The Morasko meteorite

Meteoritika (Meteoritics), No 16, 1958,  
p 123-125, Moscow

RZhAstr 1/59-445

PONOMAREV, E. O.

3

The Magnetic Field in the Solar Corona

Nauch. shchorichnik. fiz. Kiiys'k un-tu, 1956,  
(Scientific Annual. Physics. Kiev University 1956),  
Kiev, 1957, p 427-430

RZhAstr 3/59-1976

Pulkovo Today

3

Nauka i Zhizn', No 6, 1958, p 11-16

RZhAstr 2/59-854

PROKOF'YEVA, I. A.

3

Structure of the chromosphere according to  
the H $\alpha$  and H $\beta$  Fraunhofer lines

Izv. Gl. astron. observ. v Pulkovo (News of  
the Main Astronomical Observatory at Pulkovo),  
Vol 21, No 1, 1957, p 156-169

RZhAstr 1/59-314

PROKOF'YEVA, I. A.

3

Winter observations of the solar corona at  
Pulkovo

Solnechnyye Dannyye (Solar Data), No 5, 1957,  
(1958), p 123

RZhAstr 1/59-324

PYASKOVSKAYA-FESENKOVA, YE. V.

3

Issledovaniye rasseyannya sveta v zemnoy  
atmosfere (Investigation of the scattering  
of light in the earth's atmosphere)

AN SSSR (Academy of Sciences, USSR), 1957,  
219 pages, illustr.

RZhGeofiz 3/59-2747 K

POTAPENKO, A. A.

1

Some applications of Ya. Mikusinskiy's  
operational calculus to automatic control  
systems with random disturbances

Vest. Leningr. Un-ta. (Herals of the Lenin-  
grad University), No 19, 1957, p 129-134

RZhMekh 1/59-83

RABINOVICH, I. M.

1

Some problems of celestial mechanics and  
the works of P. G. Bolya

Istor.-astron. issledovaniya (Historical-  
Astronomical Investigations), No 4, Moscow,  
Gos. izd.-vo fiz.-matem. lit. (State Pub-  
lishing House of Physical-Mathematical  
Literature), 1958, p 467-479

RZhAstr 3/59-1631

RAUTIAN, S. G.

3

The influence of curves of spectral lines  
on the filtering function of a monochromator

Optika i spektroskopiya (Optics and Spectro-  
scopy), Vol 1, No 8, 1956, p 1000-1006

RZhAstr 1/59-145

RAZIN, V. A.

4

Concerning one method of measuring the  
linear polarization of radio emission

Uch. zap. Gor'kovsk. un-t (Scientific  
Notes of the Gor'ky University), No 35,  
1957, p 35-37

RZhAstr 2/59-1110

RAZIN, V. A.

4

Polarization of cosmic radioemission on  
the 1.45 and 3.3 meter wave lengths

Astron. zh. (Astronomical Journal), Vol 35,  
No 2, 1958, p 241-252

RZhAstr 1/59-289

Flight of the Soviet Cosmic Rocket

Pravda, No 5, 5 Jan 1959, p 1, Moscow

RZhAstr 1/59-544

Flight of the Soviet Cosmic Rocket

Pravda, No 6, 6 Jan 1959, p 1, Moscow

RZhAstr 1/59-545

On the Launching of a Cosmic Rocket Toward  
the Moon

Pravda (Truth), Tass report., No 3, 3 Jan  
1959, p 1, Moscow

RZhAstr 1/59-542

The Soviet Cosmic Rocket

3

Pravda (Newspaper), Moscow, 12 Jan 1959,  
p 1, 3, 4

RZhAstr 2/59-1386

On the launching of a cosmic Rocket toward 1  
the Moon

Pravda (newspaper), 3, 4, and 5 January 1959

RZhGeofiz 3/59-2041

On the launching of a Cosmic Rocket Toward 1  
the Moon

Pravda, No 4, 4 Jan 1959, p 1, Mosocw

RZhAstr 1/59-543

ROZHKOVSkiY, D. A.

3

On the statistical observation of globules  
on the background of stellar clouds

Izv. Astrofiz. in-ta. AN KazSSR (News of  
the Astrophysics Institute, Academy of  
Sciences Kazakh SSR), No 6, 1958, p 73-91

RZhAstr 1/59-185

ROZHKOVSkiY, D. A., MATYAGIN, V. S. 1  
KHARITONOV, A. V.

Experience of photographic observations of  
artificial earth satellites with the aid  
of the Maksutov meniscus telescope

Astron. zh. (Astronomical Journal), Vol 35,  
No 3, 1958, p 479-385

RZhGeofiz 3/59-3075

RUBASHEV, B. M. 3

Changes in the temperature regime of the F2  
ionosphere layer during the passing of an  
active region on the Sun's disk

Solnechnyye dannyye (Solar Data), No 6,  
1956, (1957), p 138-140

RZhAstr 2/59-1138

RAPOPORT, I. D. 3

Some sources of the low-energy electron-  
photon component in the composition of cosmic  
radiation in the stratosphere

Zh. eksperim. i teor. fiz. (Journal of  
Experimental and Theoretical Physics), Vol 34,  
No 5, 1958, p 1306-1309

RZhFiz 1/59-529

SAFRONOV, V. S.

3

Session of the Astronomical Council of the Academy of Sciences USSR and the Academy of Sciences of the Azerbaijan SSR

Astron. zh. (Astronomical Journal), Vol 35,  
No 3, 1958, p 506-507

RZhAstr 3/59-1653

SAFRONOV, V. S.

3

Report-coordinating plenum of the Astronomical Council of the Academy of Sciences USSR of the 5-7 February 1958

Astron. zh. (Astronomical Journal), Vol 35,  
No 3, 1958, p 508-509

RZhAstr 3/59-1651

SALOMONOVICH, A. YE., PARTYSKIY, YU. NN.,  
KHANGIL'DIN, U. V.

Observation of the total solar eclipse of 30 June 1954 in the millimeter wave length

Astron. zh. (Astronomical Journal), Vol 35,  
No 4, 1958, p 659-661

RZhAstr 3/59-1945

SALOSIN, V. T.

1

Problem of the most important properties of matter in the present physical theory of the field

Uch. zap. Saratovsk. unpta. (Scientific Notes of the Saratovsk University), No 60, 1957,  
p 128-151

RZhAstr 1/59-458

Discoveries, expanding the knowledge of the Universe. Some results of the scientific investigations with the third Soviet artificial earth Satellite 3

Pravda (Truth), No 278, 5 Oct 1958, p 3-4,  
Moscow newspaper

RZhAstr 1/59-483

Discoveries Expanding the Knowledge of the Universe. Some Results of the Scientific Investigations by the Third Soviet Artificial Earth Satellite 3

Pravda (Newspaper), 5 Oct 1958, p 2

RZhMekh 3/59-2183

Launching of an Artificial Earth Satellite 3  
in the USA

Radio (Radio), No 3, 1958, p 23

RZhAstr 2/59-1329

Optical tracking of artificial earth Satel- 1  
lites in the USSR

Mezhdunar. geofiz. god. Inform. byul. (Inter-  
national Geophysical Year. Information Bulle-  
tin), 1958, No 5, p 23-28

RZhGeofiz 3/59-3071

The Third Soviet Artificial Earth Satellite 3

Pravda (Newspaper), 18 May 1958, p 3-4

RZhMekh 3/59-2182

SAVICH, BNIKAW, N. A.

3

Behavior of the ionosphere during solar flares

Izv. Krymsk. astrofiz. observ. (News of the  
Crimean Astrophysical Observatory), No 16,  
1958, p 126-139

RZhGeofiz 3/59-3185

SAVIKOVSKIY, I. A.

3

Observations of solar radiation in the free atmosphere

Tr. Tsentr. aerol. observ. (Works of the Central Aerological Observatory), No 23, 1957, p 100-108

RZhAstr 3/59-2010

SAVRUKHIN, A. P.

Results of processing base-line photographs of 23 meteors

Tr. In-ta fiz. i geofiz. AN TurkmenSSR (Works of the Institute of Physics and Geophysics, Academy of Sciences Turkmen SSR), No 4, 1958, p 63-74

RZhAstr 1/59-434

SEMENOV, A. A., KARPEYEV, G. A.

3

On the nature of rapid fadings of radio signals during propagation in ground routes

Vestn. Mosk. un-ta. Ser. Matemat., Mekhan., Astron., Fiz., Khim. (Herald of Moscow University. Mathematics, Mechanics, Astronomy, Physics, Chemistry Series), No 6, 1957, p 69-85

RZhFiz 3/59-6418

SEVERNYY, A. B.

3

Spectroscopic investigation of corpuscular discharges on the Sun

Fiz. solnechn. korpuskulyarn. potokov i ikh vozdeystviye no verkhnyyu atmosferu Zemli.  
(Physics of solar corpuscular streams and their action on the upper atmosphere of the Earth), Moscow, Academy of Sciences USSR, 1957, p 40-50. Disc. 50, 76-86

RZhGeofiz 3/59-2999

SEVERNYY, A. B., KHOKHLOVA, V. L.

3

On the polarization of continuous emission in active formations on the Sun

Izv. Krymsk. astrofiz. observ. (News of the Crimean Astrophysical Observatory), No 20, 1958, p 67-73

RZhGeofiz 3/59-2998

SHAFER, YU. G.

3

Future improvement of the automatic cosmic ray station

Tr. Yakutskogo fil. AN SSSR (Works of the Yakutsk Affiliate of the Academy of Sciences USSR), No 2, 1958, p 23-33

RZhFiz 2/59-2924

SHAFER, YU. G.

3

Continuous recording of variations of cosmic ray intensities by an automatically controlled ionization chamber

Tr. Yakutskogo fil. AN SSSR (Works of the Yakutsk Affiliate of the Academy of Sciences USSR), No 2, 1958, p 7-22

RZhFiz 2/59-2925

SHAPOSHNIKOVA, YE. F.

3

Filaments directly connected with sun spots

Izv. Krymsk. astrofiz. observ. (News of the Crimean Astrophysical Observatory), No 18, 1958, p 151-156

RZhAstr 1/59-320

SHCHERLOV, V. P.

3

Tashkentskaya astronomicheskaya observatoriya (The Tashkent Astronomical Observatory), Moscow, Academy of Sciences USSR, 1958, 18 pages, illustr.

RZhAstr 3/59-1761 K

SHCHUBODEROV, A. Z.

3

Magneto-pendulum instrument for determining  
the magnetic properties of bodies

Tr. In-ta matem. i mekhan. AN UzSSR (Works  
of the Institute of Mathematics and Mech-  
anics, Academy of Sciences Uzbek SSR), No 17,  
1956, p 161-173

RZhGeofiz 1/59-770

SHARONOV, V. V.

2

Priroda planet (The Natur of Planets)

Gos. izd-vo fiz-matem. lit. (State Publish-  
ing House of Physical-Mathematical Litera-  
ture) 1958, 552 pages, illustr., maps

RZhAstr 1/59-390 K

SHCHEGLOV, P. V., SHKLOVSKIY, I. S.

3

Optical observation of artificial earth  
Satellites

Uspekhi fiz. nauk (Progress of Physical  
Science), Vol 64, No 3, 1958, p 417-424

RZhAstr 2/59-1289

SHEBERSTOV, V. I.

3

Investigation of temperature relationships  
and the energy of activation of photographic  
development

Tr. Vses. n.-i kinofotoin-ta (Works of the  
All Union Scientific Research Institute for  
Motion Pictures and Photography), No 10(20),  
1957, p 77-93

RZhAstr 2/59-977

SHKLOVSKIY, I. S.

1

Optical tracking of artificial earth satellites

Uspekhi fiz. nauk (Progress of Physical Sci-  
ence), Vol 64, No 3, 1958, p 417-424

RZhGeofiz 2/59-1999

SKURIDIN, G. A., KURNOSOVA, L. V.

3

Scientific investigations with the aid of  
artificial earth satellites

Priroda, (Nature), No 12, 1957, p 7-14

RZhAstr 2/59-1284

SOKOLOV, V. D.

3

Method of introducing temperature corrections  
in the result of measuring the intensity of  
the hard component of cosmic rays according  
to the data of a temperature profile of the  
atmosphere up to 5-6 Km

Tr. Yakutskogo fil. AN SSSR (Works of the  
Yakutsk Affiliate of the Academy of Sciences  
USSR), No 2, 1958, p 78-80

RZhFiz 2/59-2912

SOKOLOV, V. D.

3

The Nature of the 27-day variations of the  
intensity of cosmic rays

Tr. Yakutskogo fil. AN SSSR (Works of the  
Yakutsk Affiliate of the Academy of Sciences  
USSR), No 2, 1958, p 123-128

RZhAstr 3/59-1991

STANYUKOVICH, K. P.

2

Interaction of two bodies "emanating"  
streams of gas

Dokl. AN SSSR (Reports of the Academy of Sci-  
ences USSR), Vol 119, No 4, p 686-689

RZhAstr 3/59-2091

STARIK, I. YE., PETRZHAK, K. A., SHATS, 3  
M. M., SEMENYUSHKIN, I. N., BAK, M. A.

Diffusion of uranium in meteorites and its  
isotopic composition

Meteoritika (Meteoritics), No 16, 1958,  
p 126-130

RZhAstr 2/59-1230

STEPANOV, V. YE.

3

A theory on the formation of absorption lines  
in the magnetic field and Fe 6173A contour  
lines in the spectrum of sun spots

Izv. Krymsk. astrofiz. observ. (News of the  
Crimean Astrophysical Observatory), No 19,  
1958, p 20-45

RZhGeofiz 3/59-2997

STEPANOV, V. YE., PETROVA, N. N.

3

Polarity and maximum intensity of the mag-  
netic fields of sunspots

Izv. Krymsk. astrofiz. observ. (News of the  
Crimean Astrophysical Observatory), No 18,  
1958, p 66-95

RZhAstr 2/59-1125

SUSHITSKIY, P. I.

2

Results of studying bolides observed in the  
Ukraine, 30 June 1954

Meteoritika (Meteoritics), No 16, 1958, p 137-  
139, Moscow

RZhAstr 2/59-1219

Daily charts of the Sun and geophysical      3  
graphics

Solnechnyye dannyye (Solar Data), No 1-2,  
1958, p 1-100

RZhGeofiz 2/59-1973

Daily charts of the Sun and Geophysical      3  
graphics

Solnechnyye dannyye (Solar Data), No 3,  
1958, p 1-65

RZhGeofiz 2/59-1974

TARNIZHEVSKIY, B. V.

3

On the transparency of the atmosphere at several points in Turkmen according to the materials of actinometric observations

Tr. In-ta fiz. i geofiz. AN TurkmenSSR (Works of the Institute of Physics and Geophysics, Academy of Sciences Turkmen SSR)

RZhAstr 1/59-191

Progress of Work on Building Large Telescopes 3

Vestn. AN SSSR (Herald of the Academy of Sciences USSR), No 3, 1958, p 106

RZhAstr 2/59-1414

TERENT'YEVA, A. K.

Catalogue of 200 telescope-meteors according to observations at Ashkhabad in 1951-1954

Tr. In-ta fiz. i geofiz. AN TurkmenSSR (Works of the Institute of Physics and Geophysics Academy of Sciences Turkmen SSR), No 4, 1958, p 75-83

RZhAstr 1/59-436

TOLSTOV, V. V.

3

Horizontal movements in the ionospheric  
F region

Radiotekhn. i. elektronika (Radio Engineer-  
ing and Electronics), Vol 3, No 6, 1958,  
p 760-763

RZhFiz 3/59-6402

TOPCHIYEV, A. V.

3

The first scientific results of the flight  
of the Soviet satellites

Izvestiya (Newspaper), 26 March 1958, p 3

RZhMekh 2/59-1104

TROITSKIY, V. A.

1

On the stability of an intermittent con-  
trol system with two impulse elements

Tr. Leningr. politekhn. in-ta (Works of the  
Leningrad Polytechnic Institute), No 192,  
1958, p 220-234

RZhMekh 1/59-82

TRUTTSE, YU. L., KEANBERDYYEV, A., BELOUS, 4  
A. T.

Radar observations of meteor activity in  
Ashkhabad in July-September 1957

Izv. AN TurkmenSSR (Works of the Academy of  
Sciences Turkmen SSR), No 3, 1958, p 118-120

RZhAstr 1/59-297

TSESEVICH, V. P.

3

Astronomical Observatory at Dnestr

Priroda (Nature), No 10, 1958, p 86-87

RZhAstr 3/59-1655

TSESEVICH, V. P.

3

On the change of brightness of the second  
artificial earth satellite

Priroda (Nature), No 4, 1958, p 78-79

RZhAstr 3/59-2144

TSIVUN, T. A.

3

Solar Battery

Tr. Sektsii provodn. svyazi Ukr. resp. pravil.  
Nauchno-tekhn. o-va radiotekhn. i elektrosvyazi  
(Works of the Section of Wire Communication.  
Ukrainian Republican Administration. Scientific  
Technical Society of Radio Engineering and Elec-  
trical Communication), No 3, 1958, p 118-125

RZhGeofiz 3/59-2941

TYANUTOVA, G. V.

3

Preliminary results of the comparison of data  
on the measurement of variations of the global  
intensity of the hard component of cosmic rays  
by ASK-1 and S-2 instruments

Tr. Yakutskogo fil. AN SSSR (Works of the  
Yakutsk Affiliate of the Academy of Sciences  
USSR), No 2, 1958, p 81-84

RZhFiz 2/59-2907

VEKSLER, V. I.

3

On a new mechanism of generating relativis-  
tic electrons in cosmic space

Dokl. AN SSSR (Reports of the Academy of  
Sciences USSR), Vol 118, No 2, 1958, p 263-  
265

RZhAstr 3/59-1900

VEYSIG, G. S., KUSHNIR, V. F.,  
MOLCHANOV, A. P.

4

Results of observations of the displacement  
of the center of the Sun's radio emission  
on the 3.2 cm wave length

Solnechnyye dannyye (Solar Data), No 1-2  
1958, p 108-110

RZhAstr 3/59-1948

VINOGRADOV, A. P.

Isotope composition of rocks of the Earth  
and meteorites

Atomnaya Energiya (Atomic Energy), Vol 4,  
No 5, 1958, p 409-416

RZhAstr 1/59-440

VITKEVICH, V. V.

3

Investigation of ionospheric heterogeneities  
by radio astronomical methods

Radiotekhn. i elektronika (Radio Engineering  
and Electronics), Vol 3, No 4, 1958, p 478-486

RZhFiz 1/59-1606

VITKEVICH, V. V.

3

New data on the supercorona of the Sun

Astron. zh. (Astronomical Journal), Vol 35,  
No 1, 1958, p 52-63

RZhGeofiz 1/59-794

VITKEVICH, V. V.

4

The Supercorona of the Sun

Priroda (Nature), No 12, 1957, p 15-20  
(see RzhAstr 2/57-1298)

RZhAstr 2/59-1090

VITKEVICH, V. V., UDAL'TSOV, V. A.

3

Use of interference radio reception for  
recording rapidly occurring processes

Radiotekhn. i elektronika (Radio Engineer-  
ing and Electronics), Vol 3, No 6, 1958, p 73  
p 784-793

RZhFiz 3/59-6474

VITKEVICH, V. V., KUZ'MIN, A. D., 4  
SALOMONOVICH, A. YE., UDAL'TSOV, V. A.

Radioimage of the Sun on 3.2 cm wave length

Dokl. AN SSSR (Reports of the Academy of Sciences USSR), Vol 118, No 6, 1958,  
p 1091-1093

RZhAstr 3/59-1944

VOROB'YEV, G. G. NAMNANDORZH, O.

Meteorites of Mongolia

Meteoritika (Meteoritics), No 16, 1958,  
p 134-136, Moscow

RZhAstr 1/59-446

VORONKOV, I. M. 1

On the motion of a mechanical system in the case when the external forces are the force of gravity and the resistance of the surrounding medium

Nauchn. tr. Mosk. gorn. in-t (Scientific Works of the Moscow Mining Institute),  
No 19, 1957, p 5-19

RZhMekh 3/59-2239

VSEKHSVYATSKIY, S. K.

Fizicheskiye Kharakteristiki Komet (The  
Physical Characteristics of Comets)

Gos. izd-vo fiz.-matem. lit. (State Publishing House of Physical-Mathematical Literature) 1958, 575 pages, illustr.

RZhAstr 1/59-424 K

VYSOKOVSKIY, D. M.

3

Nekotoryye voprosy dal'nego troposfernogo rasprostraneniya ul'trakorotkikh radiovoln. (Obzor rabot) (Some problems of far tropospheric scatter of ultra-short radiowaves [Review Work], Moscow, Academy of Sciences USSR, 1958, 156 pages, illustr.

RZhFiz 3/59-6430 K

YAKOVLEV, S. A.

3

A wedge-shaped black body--radiation source for spectrophotometric measurements

Fiz. sb. L'vovsk. un-t. (Physics collection L'vov University), No 3 (8), 1958, p 368-370

RZhAstr 2/59-971

YATSUNSKIY, I. M.

1

On the influence of geophysical factors on  
the motion of a satellite

Uspekhi fiz. nauk (Progress of Physical  
Sciences), Vol 63, No 1a, 1957, p 59-71

RZhMekh 1/59-52

YAVNEL', A. A.

2

Classification of meteorites according to  
material composition

Meteoritika (Meteoritics), No 15, 1958,  
p 115-135

RZhAstr 2/59-1221

YAVNEL', A. A.

3

Regularities in the composition of Meteoritic  
matter and conditions for the formation of  
meteorites (Thesis for report at VII Meteoritic  
Conference, Moscow, Nov 1956)

Meteoritika (Meteoritics), No 16, 1958, p 11-12,  
Moscow  
(See RZhAstr No 1, 1958-501 and No 7, 4524)

RZhAstr 2/59-1225

YAVNEL', A. A., D'YAKONOVA, M. I.

2

Determination of different forms of iron in  
rock meteorites

Meteoritika (Meteoritics), No 15, 1958,  
p 152-155

RZhAstr 2/59-1223

YAVNEL', A. A., D'YAKONOVA, M. I.

2

Chemical composition of meteorites

Meteoritika (Meteoritics), No 15, 1958,  
p 136-151

RZhAstr 2/59-1222

YAVNEL', A. A., FONTON, S. S.

3

The mechanical strength of the Sikhote-Alinsk  
meteorite

Meteoritika (Meteoritics), No 16, 1958,  
p 175-178

RZhAstr 2/59-1229

YERYUSHEV, N. N.

3

Some problems of the propagation of radio-atmospherics

Izv. Krymsk. astrofiz. observ. (News of the Crimean Astrophysics Observatory), No 18, 1958, p 187-195

RZhAstr 2/59-1140

YESEPKINA, N. A., KOROL'KOV, D. V.

4

On the calculation of parasitic polarization in an antenna system during polarizing measurements

Nauchno-tekhni. inform. byull. lenningr. politekhn. in-t (Scientific-Technical Information Bulletin of the Leningrad Polytechnic Institute, No 10, 1957, p 19-29

RZhAstr 2/59-1111

YUDIN, I. A.

2

Bolides in the Urals

Meteoritika (Meteoritics), No 16, 1958, p 140-142, Moscow

RZhAstr 2/59-1220

YUDIN, I. A.

3

Non-transparent minerals of stony meteorites

Meteoritika (Meteoritics), No 16, 1958,  
p 78-104

RZhAstr 3/59-2068

YUDIN, I. A.

Meteority Urala (Ural Meteorites)

Knigoizdat (Publishing House), Sverdlovsk,  
1958, 34 pages, illustr.

RZhAstr 1/59-449 K

YUDIN, YU. L.

3

The aurora of 11 February 1958

Meteorol. i gidrologiya (Meteorology and  
Hydrology), No 6, 1958, p 38

RZhGeofiz 3/59-3151

YUDOVICH, L. A., FEL'DSHTEYN, YA. I. 4

Short range forecasting of short wave radio communication

Solnechnyye dannyye (Solar Data), No 3, 1958,  
p 69-72

RZhAstr 2/59-1089

ZOTKIN, I. T. 3

On the popularization of meteoritics

Meteoritika (Meteoritics), No 16, 1958, p 120-122

RZhAstr 2/59-1244

ZOTKIN, I. T., KRINOV, YE. L. 3

Investigation of the conditions of the fall  
of the Kunashak stony meteorite shower

Meteoritika (Meteoritics), No 15, 1958, p 51-81

RZhAstr 3/59-2063

ZOTKIN, I. T., KRINOV, YE. L. 3

Investigation of the conditions of the fall  
of the Nikol'skoye stony meteorite

Meteoritika (Meteoritics), No 15, 1958, p 82-96

RZhAstr 3/59-2064